

Notice of Allowability

Application No.

10/743,132

Applicant(s)

PECHT-SEIBERT, GUENTER
JOSEF

Examiner

Cindy Nguyen

Art Unit

2161

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/19/06.
2. ☒ The allowed claim(s) is/are 1-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

This is in response to communication filed 12/19/06.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Aaron Kamlay on 01/25/06.

Status of claims as following:

1. (original) A method for updating a distributed business object, comprising:
maintaining a primary version of the distributed business object in a primary business management system, said primary version including a primary update counter;
receiving from a secondary business management system a notification of an update to a secondary version of the distributed business object, said secondary version including a secondary update counter, said notification including the secondary update counter;
comparing the primary update counter to the secondary update counter; and
updating the primary version of the distributed business object based on the notification if the comparison indicates that the primary update counter and the secondary update counter are identical.
2. (original) The method of claim 1, further comprising:
rejecting the update if the comparison indicates that the primary update counter and the secondary update counter are different.

3. (original) The method of claim 2, further comprising:
transmitting a rejection to the secondary business management system, said rejection including the primary update counter.
4. (original) The method of claim 3, wherein said rejection includes the primary version of the distributed business object.
5. (original) The method of claim 1, wherein the updating further comprises
incrementing the primary update counter; and
returning a confirmation of the update to the secondary business management system, said confirmation including the incremented primary update counter.
6. (original) The method of claim 1, further comprising:
incrementing the primary update counter only when the secondary business management system must be informed of the update to the business object.
7. (currently amended) A method for updating a distributed business object, comprising:
maintaining a secondary version of the distributed business object in a secondary business management system, said secondary version including a secondary update counter;
performing a transaction on the secondary version in the secondary business management system;
leaving the secondary update counter unmodified; and
forwarding a representation of the transaction to a primary business management system, the representation including the unmodified secondary update counter;
compare a primary update counter to the secondary update counter; and

update a primary version of the distributed business object based on the notification if the comparison indicates that the primary update counter and the secondary update counter are identical.

8. (original). The method of claim 7, further comprising:

receiving from the primary business management system a confirmation of the transaction, said confirmation including a replacement value for the secondary update counter.

9. (original) The method of claim 7, further comprising:

receiving from the primary business management system a rejection of the transaction, said rejection including a replacement value for the secondary update counter, said rejection including replacement information for the secondary version of the distributed business object.

10. (original) A system for updating a distributed business object, comprising:

a first computer coupled to a network, said first computer having a primary business management system, said primary business management system maintaining a primary version of the distributed business object, said primary version including a primary update counter;

a second computer coupled to a network, said second computer having a secondary business management system, said secondary business management system maintaining a secondary version of the distributed business object, said secondary version including a secondary update counter;

the second computer to perform a first transaction on the secondary version, said transaction leaving the secondary update counter unmodified;

the second computer to forward a notification of the first transaction to the primary business management system, the notification including the unmodified secondary update counter;

the first computer to receive the notification from the second computer;

the first computer to compare the primary update counter to the secondary update counter;

the first computer to update the primary version based on the notification if the comparison indicates that the primary update counter and the secondary update counter are identical.

11. (original) The system of claim 10, the first computer to reject the update if the comparison indicates that the primary update counter and the secondary update counter are different.

12. (original) The system of claim 11, the first computer to transmit said rejection to the secondary business management system, said rejection including the primary update counter.

13. (original) The system of claim 12, wherein said rejection includes the primary version of the distributed business object.

14. (original) The system of claim 10, the first computer to increment the primary update counter upon updating the primary version, the first computer to return a confirmation of the update to the secondary business management system, said confirmation including the incremented primary update counter.

15. (original) The system of claim 10, further comprising:

the first computer to perform a second transaction on the primary version of the distributed business object;

the first computer to update the primary version based on the second transaction;

the first computer to increment the primary update counter upon updating the primary version; and

the first computer to forward a confirmation of the update to the secondary business management system, said confirmation including the incremented primary update counter.

16. (original) A computer programmed to update a distributed business object, comprising:

means to maintain a primary version of the distributed business object in a primary business management system, said primary version including a primary update counter;

means to receive from a secondary business management system a notification of an update to a secondary version of the distributed business object, said secondary version including a secondary update counter, said notification including the secondary update counter;

means to compare the primary update counter to the secondary update counter; and

means to update the primary version of the distributed business object based on the notification if the comparison indicates that the primary update counter and the secondary update counter are identical.

17. (original) The computer of claim 16, further comprising:

means to reject the update if the comparison indicates that the primary update counter and the secondary update counter are different.

18. (original) The computer of claim 17, further comprising:

means to transmit the rejection to the secondary business management system, said rejection including the primary update counter.

19. (original) The computer of claim 18, wherein said rejection includes the primary version of the distributed business object.

20. (original) The computer of claim 18, wherein the means to update further comprises incrementing the primary update counter.

21. (original) The computer of claim 20, further comprising:
means to return a confirmation of the update to the secondary business management system, said confirmation including the incremented primary update counter.

22. (currently amended) A computer programmed to update a distributed business object, comprising:

means to maintain a secondary version of the distributed business object in a secondary business management system, said secondary version including a secondary update counter;

means to perform a transaction on the secondary version in the secondary business management system;

means to leave the secondary update counter unmodified; and

means to forward a representation of the transaction to a primary business management system, the representation including the unmodified secondary update counter;

means to compare a primary update counter to the secondary update counter; and

means to update a primary version of the distributed business object based on the notification if the comparison indicates that the primary update counter and the secondary update counter are identical.

23. (original) The computer of claim 22, further comprising:

means to receive from the primary business management system a confirmation of the transaction, said confirmation including a replacement value for the secondary update counter.

24. (original) The computer of claim 22, further comprising:

means to receive from the primary business management system a rejection of the transaction, said rejection including a replacement value for the secondary update counter, said rejection including replacement information for the secondary version of the distributed business object.

25. (original) A machine-readable medium having stored thereon a plurality of instructions for parallelizing a database query, the plurality of instructions comprising instructions to:

maintain a primary version of the distributed business object in a primary business management system, said primary version including a primary update counter;

receive from a secondary business management system a notification of an update to a secondary version of the distributed business object, said secondary version including a secondary update counter, said notification including the secondary update counter;

compare the primary update counter to the secondary update counter; and

update the primary version of the distributed business object based on the notification if the comparison indicates that the primary update counter and the secondary update counter are identical.

26. (original) The machine-readable medium of claim 25, further comprising instructions to:

reject the update if the comparison indicates that the primary update counter and the secondary update counter are different.

27. (original) The machine-readable medium of claim 26, further comprising instructions to:

transmit a rejection to the secondary business management system, said rejection including the primary update counter.

28. (original) The machine-readable medium of claim 27, wherein said rejection includes the primary version of the distributed business object.

29. (original) The machine-readable medium of claim 27, wherein the updating further comprises incrementing the primary update counter.

30. (original) The machine-readable medium of claim 29, further comprising instructions to: return a confirmation of the update to the secondary business management system, said confirmation including the incremented primary update counter.

Drawings

The drawing file 12.19/06 has been accepted.

Allowable Subject Matter

Claims 11-30 are allowed in light of the applicant arguments and in light of the prior art made of record.

The following is an examiner's statement of reasons for allowance: the prior art of record failed to disclose: make obvious, or otherwise suggest: a method, a system and a computer programmed, and a machine-readable medium for updating a distributed business object, comprising updating the primary version of the distributed business object based on the notification if the comparison indicated that the primary update

counter and the secondary update counter are identical as recited in claims 1, 7, 10, 16, 22 and 25.

The dependent claims 2-5, 8-9, 11-15, 17-21, 23-24 and 26-30, being further limiting to the independent claims 1, 7, 10, 16, 22 and 25, definite and fully enable by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cindy Nguyen whose telephone number is 571-272-4025. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mofiz Apu can be reached on 571-272-4080. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-872-9306 for After Final communications.


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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.


Cindy Nguyen

January 25, 2007


Apra Mofiz
Supervisor, Art Unit 2161